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**IMPORTANT NOTICE**  
**TELECOPY/FACSIMILE COVER LETTER**

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TO: U.S. Patent and Trademark Office  
Examiner: Carlos N. Lopez  
Art Unit: 1731

DATE: June 7, 2006

FROM: Lawrence J. McClure

TIME: \_\_\_\_\_

TOTAL NO. OF PAGES, INCLUDING COVER: 12

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**MESSAGE:**

Patent Application No.: 10/722,157; Our Ref. 81863.0024  
I hereby certify that the following documents:

☒ Amendment/Amendment Transmittal Letter

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are being facsimiled to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450., for filing in the above-identified application.

June 7, 2006  
Date of Deposit

Diane Zynn  
Diane Zynn

TELECOPY/FAX NUMBER: (571) 273-8300 ART UNIT 1731

CLIENT NUMBER: 81863.0024

ATTORNEY BILLING NUMBER: 1966

CONFIRMATION NUMBER: (return fax to Diane Zynn)

FORM PT(O)-1083

81863.0024  
Patent Application No. 10/722,157

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Shuzo IWASHITA, et al.  
Serial No: 10722,157  
Filed: November 25, 2003  
For: PIEZOELECTRIC CERAMICS AND METHOD  
OF MANUFACTURING THE SAME,  
ACTUATOR AND METHOD OF  
MANUFACTURING THE SAME, PRINTING  
HEAD AND INK JET PRINTER

Art Unit: 1731  
Examiner: Carlos N. Lopez

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is being transmitted via facsimile to  
(571)273-8300:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450 on

June 7, 2006  
Date of Deposit  
Diane Zynn  
Name  
Signature Date 06/07/06

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is an amendment in the above-identified application.

☒ No additional fee is required.

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The fee has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT	(Col. 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA*	LG/SM \$ ENTITY FEE	ADD'L FEE DUE
TOTAL CLAIMS FEE	9	30	0	LG=\$50 SM=\$25	\$ 0
INDEPENDENT CLAIMS FEE	1	6	0	LG=\$200 SM=\$100	\$ 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS				LARGE ENTITY FEE = \$380 SMALL ENTITY FEE = \$180	\$ 0
Independent Claims: 6				TOTAL	\$ 0

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.  
\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box on Col. 1 of a prior amendment or the number of claims originally filed.

- ☐ Please charge the fee of \$\_\_\_ for the additional claim fees to Deposit Account No. 50-1314. A copy of this sheet is enclosed.
- ☐ Please charge the fee of \$\_\_\_ for the \_\_\_\_\_ extension of time to Deposit Account No. 50-1314. A copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge any deficiencies of fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. A copy of this sheet is enclosed.
- ☒ Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,  
HOGAN & HARTSON L.L.P.

By:

Lawrence J. McGlure  
Registration No. 44,228  
Attorney for Applicant(s)

Date: June 7, 2006

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Appl. No. 10/722,157  
Amdt. Dated June 7, 2006  
Reply to Office Action of March 8, 2006

Attorney Docket No. 81863.0024  
Customer No.: 26021

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Shuzo IWASHITA, et al.

Serial No: 10/722,157

Confirmation No.: 7015

Filed: November 25, 2003

For: PIEZOELECTRIC CERAMICS AND  
METHOD OF MANUFACTURING  
THE SAME, ACTUATOR AND  
METHOD OF MANUFACTURING  
THE SAME, PRINTING HEAD AND  
INK JET PRINTER

Art Unit: 1731

Examiner: Carlos N. Lopez

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Alexandria, VA 22313-1450 on

June 7, 2006

Date of Deposit

Diane Zynn

Name

Signature

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Date

AMENDMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Dear Sir:

In response to the Office Action dated March 8, 2006, please amend the  
above-referenced application as follows:

Amendments to the specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on  
page 3 of this paper.

Remarks/Arguments begin on page 6 of this paper.